INTERNATIONAL SEARCH REPORT

International Application No. PCT/JP2004/016481

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 B01J35/00 B01J B01J21/02 B01J21/06 C09D1/00 C09C1/36 C03C17/25 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) CO9D IPC 7 B01J C09C C03C Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Category ° Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. Α EP 1 153 999 A (SHOWA DENKO KABUSHIKI 1-12,23, KAISHA) 14 November 2001 (2001-11-14) 24 page 1, line 47 - page 5, line 20 page 5, line 56 - page 6, line 8; example A US 2003/181329 A1 (TANAKA JUN ET AL) 1 - 2425 September 2003 (2003-09-25) page 7, paragraph 128 - paragraph 132 page 8, paragraph 138 - paragraph 139 page 12, paragraph 194 - paragraph 198 page 14, paragraph 221 - paragraph 225 page 15, paragraph 241 - paragraph 243; examples 2-4 Further documents are listed in the continuation of box C. Patent family members are listed in annex. ° Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the *A* document defining the general state of the art which is not considered to be of particular relevance invention "E" earlier document but published on or after the International "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to Ting date 1. document which may throw doubts on priority claim(s) or involve an inventive step when the document is taken alone in a cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-"O" document referring to an oral disclosure, use, exhibition or ments, such combination being obvious to a person skilled in the art. other means document published prior to the International filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 16 February 2005 01/03/2005 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentiaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Bork, A-M Fax: (+31-70) 340-3016

INTERNATIONAL SEARCH REPORT

International Application No.
PCT/JP2004/016481

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT Category Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No.					

INTERNATIONAL SEARCH REPORT

International Application No. PCT/JP2004/016481

Box II	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)				
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:					
1.	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:				
2. X	Claims Nos.: partially 1-5 because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically: see FURTHER INFORMATION sheet PCT/ISA/210				
з	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).				
Box III	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)				
This Inte	rnational Searching Authority found multiple inventions in this international application, as follows:				
1.	As all required additional search fees were timely paid by the applicant, this international Search Report covers all searchable claims.				
2.	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.				
з. 🔲	As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:				
4.	No required additional search fees were timely paid by the applicant. Consequently, this international Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:				
Remark	on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.				

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.2

Claims Nos.: partially 1-5

Present independent claim 1 relates to an extremely large number of possible composition. Support within the meaning of Article 6 PCT and/or disclosure within the meaning of Article 5 PCT is to be found, however, for only a very small proportion of the compositions claimed. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Consequently, the search has been carried out for those parts of the claims which appear to be supported and disclosed, namely those parts relating to the compositions of claim 1 in which the photocatalytic particles are those particles disclosed in claim 6, their preparation and use.

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.

INTERNATIONAL SEARCH HEPORT

Information on patent family members

International Application No. PCT/JP2004/016481

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
EP 1153999 A	14-11-2001	AU	7450400 A	30-04-2001
		EP	1153999 A1	14-11-2001
		WO	0123483 A1	05-04-2001
		US	6479141 B1	12-11-2002
US 2003181329 A	1 25-09-2003	US	2004067849 A1	08-04-2004
		ΑU	2002361085 A1	09-07-2003
		CA	2436747 A1	11-07-2002
		CN	1481279 T	10-03-2004
		CN	1483002 T	17-03-2004
		EP	1354628 A1	22-10-2003
		EP	1354854 A1	22-10-2003
		EP	1462169 A1	29-09-2004
	•	WO	02053285 A1	11-07-2002
		WO	02053501 A1	11-07-2002
		WO	03053576 A1	03-07-2003
		US	2002187338 A1	12-12-2002
		US	2002160910 A1	31-10-2002
		US	2004171484 A1	02-09-2004
		US	2005027039 A1	03-02-2005
		JP	2004243307 A	02-09-2004
WO 2004014986 A	19-02-2004	WO	2004014986 A1	19-02-2004
		JP	2004244608 A	02-09-2004